

ABSTRACT

A wearable periodic self-calibrating body analyte monitoring system based on the principles of microdialysis for measurement of a body analyte is disclosed. In a preferred embodiment, the system is designed to measure glucose, and can be held on the body with a skin adhesive for comfort. The system may be combined with an insulin delivery system to create an artificial pancreas.

1. A wearable periodic self-calibrating body analyte monitoring system based on the principles of microdialysis for measurement of a body analyte is disclosed. In a preferred embodiment, the system is designed to measure glucose, and can be held on the body with a skin adhesive for comfort. The system may be combined with an insulin delivery system to create an artificial pancreas.